



April 14, 2008

Garrett A. Stone, Esquire
Brickfield, Burchette and Ritts, P.C.
1025 Thomas Jefferson Street, NW
8th Floor, West Tower
Washington, D.C. 20007

Re: SCPSC Docket No. 2008-1-E

Dear Garrett:

Pursuant to the December 21, 1998 agreement entered into by and between Progress Energy Carolinas, Inc. and Nucor in Docket 1999-029-E, enclosed is documentation required by paragraph 1 of that agreement regarding PEC's actual system nuclear capacity factor calculation. As you can see, PEC met the 92.5% goal.

Sincerely,

Len S. Anthony
General Counsel – Progress Energy Carolinas

LSA:mhm

Enclosure

cc: Charles Terreni (w/enc.)
John Flitter (w/enc.)

262354

Report to
NUCOR STEEL CORPORATION

Of

Progress Energy Carolinas
Nuclear System Capacity Factor

Pursuant to
SCPSC Docket 1999-029-E

Test Period
April 1, 2007
Through
March 31, 2008

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Progress Energy Carolinas Nuclear Capacity Factor Calculation (Unadjusted) April 1, 2007 – March 31, 2008

**Net Electrical Generation during the Test Period April 1, 2007 to March 31, 2008
Reported to the NRC and available in the NRC's Public Documents Collection**

	MWhs
Brunswick Unit 1	7,440,119
Brunswick Unit 2	7,775,803
Harris Unit 1	7,420,401
Robinson Unit 2	5,765,595
A – Total Net Generation	28,401,918

**Unit Maximum Dependable Capacity (MW)
Reported to the NRC and available in the NRC's Public Documents Collection**

	MDC (MW)
Brunswick Unit 1	938
Brunswick Unit 2	937
Harris Unit 1	900
Robinson Unit 2	710
B – Max Dependable Capacity	3,485

Period Hours in the Test Period April 1, 2007 to March 31, 2008

C – Period Hours during test period	8,784
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Capacity Factor Formula

$$[(A) / (B \times C)] = 92.8\%$$

Progress Energy Carolinas Nuclear Capacity Factor Calculation Adjusted for Refueling Outages Only and Steam Generator Replacement Outages of 100 Days or Less April 1, 2007 – March 31, 2008

**Net Electrical Generation during the Test Period April 1, 2007 to March 31, 2008
Reported to the NRC and available in the NRC's Public Documents Collection**

	MWhs
Brunswick Unit 1	7,440,119
Brunswick Unit 2	7,775,803
Harris Unit 1	7,420,401
Robinson Unit 2	5,765,595
Total Net Generation	28,401,918

Refueling outages of 40 days or less and steam generator replacement outages of 100 days or less

	MWh Losses
Brunswick Unit 1	381,125
Brunswick Unit 2	392,521
Harris Unit 1	480,210
Robinson Unit 2	628,587
Total	1,882,443

A – Total Test Period Net Generation + Adjustment for refueling outages & steam generator replacement outages	30,284,361
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**Unit Maximum Dependable Capacity (MW)
Reported to the NRC and available in the NRC's Public Documents Collection**

	MDC (MW)
Brunswick Unit 1	938
Brunswick Unit 2	937
Harris Unit 1	900
Robinson Unit 2	710
B – Max Dependable Capacity	3,485

Period Hours in the Test Period April 1, 2007 to March 31, 2008

C – Period Hours during test period	8,784
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Capacity Factor Formula

$$[(A) / (B \times C)] = 98.9\%$$

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor $\geq 92.5\%$ during the 12 month period under review. For the test period April 1, 2007 through March 31, 2008, actual period to date performance is summarized below.

Period to Date: April 1, 2007 through March 31, 2008

Nuclear System Capacity Factor Calculation (Based on net generation)

- | | | |
|----|--|--------------------|
| A. | Nuclear system actual generation for SCPSC test period | A = 28,401,918 MWH |
| B. | Total number of hours during SCPSC test period | B = 8,784 Hrs. |
| C. | Nuclear system MDC during SCPSC test period (see page 2) | C = 3,485 MW |
| D. | Reasonable nuclear system reductions (see page 2) | D = 2,719,645 MWH |
| E. | SC Fuel Case nuclear system capacity factor: $[(A+D) / (B*C)]*100 = 101.7\%$ | |

NOTE:

If Line Item E $\geq 92.5\%$, presumption of utility's minimum cost operation

If Line Item E $< 92.5\%$, utility has burden of proof of reasonable operations

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2007 to March 31, 2008

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling outage time (MWH)	381,125	392,521	480,210	628,587	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	492,066	73,319	75,776	34,707	
Reasonable coast down power reductions (MWH)	4,816	0	0	6,915	
Reasonable power ascension power reductions (MWH)	31,774	46,147	0	22,063	
Prudent NRC required testing outages (MWH)	6,273	18,469	1,549	9,852	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	14,196	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	916,054	530,456	557,535	715,600	
Total reasonable outage time exclusions [carry to Page 1, Line D]					2,719,645

ATTACHMENT A

Recorded Generation and Capacity Factors (Test Period April 1, 2007 - March 31, 2008)

Monthly Generation						
Month	BNP 1	BNP 2	BNP	HNP	RNP	Carolina Fleet
April 2007	549,513	255,131	804,644	660,878	92,159	1,557,681
May 2007	706,345	703,179	1,409,524	678,022	257,258	2,344,804
June 2007	683,339	673,524	1,356,863	648,431	525,429	2,530,723
July 2007	710,056	698,194	1,408,250	666,547	525,101	2,599,898
August 2007	692,078	695,545	1,387,623	661,605	535,744	2,584,972
September 2007	334,252	656,626	990,878	600,239	525,693	2,116,810
October 2007	715,442	701,943	1,417,385	137,065	550,437	2,104,887
November 2007	698,196	676,160	1,374,356	667,641	544,248	2,586,245
December 2007	700,923	709,322	1,410,245	679,524	564,272	2,654,041
January 2008	713,800	705,183	1,418,983	692,158	564,514	2,675,655
February 2008	649,397	662,926	1,312,323	644,233	528,053	2,484,609
March 2008	286,778	638,070	924,848	684,058	552,687	2,161,593
TOTAL	7,440,119	7,775,803	15,215,922	7,420,401	5,765,595	28,401,918

Monthly Capacity Factor (Unadjusted)						
Month	BNP 1	BNP 2	BNP	HNP	RNP	Carolina Fleet
MDC	938	937	1,875	900	710	3,485
April 2007	81.4%	37.8%	59.6%	102.0%	18.0%	62.1%
May 2007	101.2%	100.9%	101.0%	101.3%	48.7%	90.4%
June 2007	101.2%	99.8%	100.5%	100.1%	102.8%	100.9%
July 2007	101.7%	100.2%	100.9%	99.5%	99.4%	100.3%
August 2007	99.2%	99.8%	99.5%	98.8%	101.4%	99.7%
September 2007	49.5%	97.3%	73.4%	92.6%	102.8%	84.4%
October 2007	102.5%	100.7%	101.6%	20.5%	104.2%	81.2%
November 2007	103.2%	100.1%	101.7%	102.9%	106.3%	102.9%
December 2007	100.4%	101.7%	101.1%	101.5%	106.8%	102.4%
January 2008	102.3%	101.2%	101.7%	103.4%	106.9%	103.2%
February 2008	99.5%	101.7%	100.6%	102.8%	106.9%	102.4%
March 2008	41.1%	91.7%	66.4%	102.3%	104.8%	83.5%
TOTAL	90.3%	94.5%	92.4%	93.9%	92.4%	92.8%

Year to Date Generation (Unadjusted)						
Month	BNP 1	BNP 2	BNP	HNP	RNP	Carolina Fleet
April 2007	549,513	255,131	804,644	660,878	92,159	1,557,681
May 2007	1,255,858	958,310	2,214,168	1,338,900	349,417	3,902,485
June 2007	1,939,197	1,631,834	3,571,031	1,987,331	874,846	6,433,208
July 2007	2,649,253	2,330,028	4,979,281	2,653,878	1,399,947	9,033,106
August 2007	3,341,331	3,025,573	6,366,904	3,315,483	1,935,691	11,618,078
September 2007	3,675,583	3,682,199	7,357,782	3,915,722	2,461,384	13,734,888
October 2007	4,391,025	4,384,142	8,775,167	4,052,787	3,011,821	15,839,775
November 2007	5,089,221	5,060,302	10,149,523	4,720,428	3,556,069	18,426,020
December 2007	5,790,144	5,769,624	11,559,768	5,399,952	4,120,341	21,080,061
January 2008	6,503,944	6,474,807	12,978,751	6,092,110	4,684,855	23,755,716
February 2008	7,153,341	7,137,733	14,291,074	6,736,343	5,212,908	26,240,325
March 2008	7,440,119	7,775,803	15,215,922	7,420,401	5,765,595	28,401,918

Year to Date Capacity Factor (Unadjusted)						
Month	BNP 1	BNP 2	BNP	HNP	RNP	Carolina Fleet
April 2007	81.4%	37.8%	59.6%	102.0%	18.0%	62.1%
May 2007	91.5%	69.9%	80.7%	101.6%	33.6%	76.5%
June 2007	94.7%	79.7%	87.2%	101.1%	56.4%	84.5%
July 2007	96.5%	84.9%	90.7%	100.7%	67.3%	88.5%
August 2007	97.0%	87.9%	92.5%	100.3%	74.2%	90.8%
September 2007	89.2%	89.5%	89.3%	99.1%	78.9%	89.7%
October 2007	91.1%	91.1%	91.1%	87.7%	82.6%	88.5%
November 2007	92.6%	92.2%	92.4%	89.5%	85.5%	90.3%
December 2007	93.5%	93.3%	93.4%	90.9%	87.9%	91.6%
January 2008	94.4%	94.1%	94.2%	92.2%	89.8%	92.8%
February 2008	94.8%	94.7%	94.8%	93.1%	91.3%	93.6%
March 2008	90.3%	94.5%	92.4%	93.9%	92.4%	92.8%

ATTACHMENT B

Brunswick Unit 1 April 1, 2007 – March 31, 2008 Test Period MWh Losses by Cause

	Refuel	Repairs	Coastdowns	Power Ascension	Testing	SCPSC	Acts of Nature	Low Load	Total
Apr-07	0	118,719	0	20,463	0	0	0	0	139,182
May-07	0	8,611	0	0	8	0	0	0	8,619
Jun-07	0	5,195	0	0	2,224	0	0	0	7,419
Jul-07	0	0	0	0	573	0	0	0	573
Aug-07	0	13,336	0	0	545	0	0	0	13,881
Sep-07	0	329,732	0	11,311	27	0	0	0	341,070
Oct-07	0	124	0	0	0	0	0	0	124
Nov-07	0	57	0	0	848	0	0	0	905
Dec-07	0	16,292	0	0	0	0	0	0	16,292
Jan-08	0	0	0	0	1,925	0	0	0	1,925
Feb-08	0	0	0	0	123	0	0	0	123
Mar-08	381,125	0	4,816	0	0	0	0	0	385,941
Total	381,125	492,066	4,816	31,774	6,273	0	0	0	916,054

Brunswick Unit 2 April 1, 2007 – March 31, 2008 Test Period MWh Losses by Cause

	Refuel	Repairs	Coastdowns	Power Ascension	Testing	SCPSC	Acts of Nature	Low Load	Total
Apr-07	392,521	621	0	27,100	0	0	0	0	420,242
May-07	0	3,922	0	0	0	0	0	0	3,922
Jun-07	0	363	0	0	3,775	0	0	0	4,138
Jul-07	0	428	0	0	0	0	0	0	428
Aug-07	0	180	0	0	0	0	0	0	180
Sep-07	0	13,777	0	3,749	3,192	0	0	0	20,718
Oct-07	0	483	0	1,501	0	0	0	0	1,984
Nov-07	0	217	0	0	7,307	0	0	0	7,524
Dec-07	0	132	0	0	0	0	0	0	132
Jan-08	0	16	0	0	4,181	0	0	0	4,197
Feb-08	0	0	0	0	14	0	0	0	14
Mar-08	0	53,180	0	13,797	0	0	0	0	66,977
Total	392,521	73,319	0	46,147	18,469	0	0	0	530,456

Harris Unit 1 April 1, 2007 – March 31, 2008 Test Period MWh Losses by Cause

	Refuel	Repairs	Coastdowns	Power Ascension	Testing	SCPSC	Acts of Nature	Low Load	Total
Apr-07	0	0	0	0	0	0	0	0	0
May-07	0	0	0	0	0	0	0	0	0
Jun-07	0	0	0	0	0	0	0	0	0
Jul-07	0	0	0	0	0	0	0	0	0
Aug-07	0	0	0	0	0	0	0	0	0
Sep-07	0	44,520	0	0	456	0	0	0	44,976
Oct-07	480,210	24,220	0	0	0	0	0	0	504,430
Nov-07	0	0	0	0	0	0	0	0	0
Dec-07	0	7,036	0	0	0	0	0	0	7,036
Jan-08	0	0	0	0	0	0	0	0	0
Feb-08	0	0	0	0	0	0	0	0	0
Mar-08	0	0	0	0	1,093	0	0	0	1,093
Total	480,210	75,776	0	0	1,549	0	0	0	557,535

Robinson Unit 2 April 1, 2007 – March 31, 2008 Test Period MWh Losses by Cause

	Refuel	Repairs	Coastdowns	Power Ascension	Testing	SCPSC	Acts of Nature	Low Load	Total
Apr-07	408,960	0	6,195	0	0	0	0	0	415,155
May-07	219,627	34,707	0	22,063	0	0	0	0	276,397
Jun-07	0	0	0	0	0	0	78	0	78
Jul-07	0	0	0	0	0	0	14,118	0	14,118
Aug-07	0	0	0	0	0	0	0	0	0
Sep-07	0	0	0	0	0	0	0	0	0
Oct-07	0	0	0	0	0	0	0	0	0
Nov-07	0	0	0	0	0	0	0	0	0
Dec-07	0	0	0	0	0	0	0	0	0
Jan-08	0	0	0	0	0	0	0	0	0
Feb-08	0	0	0	0	0	0	0	0	0
Mar-08	0	0	0	0	9,852	0	0	0	9,852
Total	628,587	34,707	6,195	22,063	9,852	0	14,196	0	715,600

PEC Nuclear System Total April 1, 2007 – March 31, 2008 Test Period MWh Losses by Cause

	Refuel	Repairs	Coastdowns	Power Ascension	Testing	SCPSC	Acts of Nature	Low Load	Total
Apr-07	801,481	119,340	6,195	47,563	0	0	0	0	974,579
May-07	219,627	47,240	0	22,063	8	0	0	0	288,938
Jun-07	0	5,558	0	0	5,999	0	78	0	11,635
Jul-07	0	428	0	0	573	0	14,118	0	15,119
Aug-07	0	13,516	0	0	545	0	0	0	14,061
Sep-07	0	388,029	0	15,060	3,675	0	0	0	406,764
Oct-07	480,210	24,827	0	1,501	0	0	0	0	506,538
Nov-07	0	274	0	0	8,155	0	0	0	8,429
Dec-07	0	23,460	0	0	0	0	0	0	23,460
Jan-08	0	16	0	0	6,106	0	0	0	6,122
Feb-08	0	0	0	0	137	0	0	0	137
Mar-08	381,125	53,180	4,816	13,797	10,945	0	0	0	463,863
Total	1,882,443	675,868	11,011	99,984	36,143	0	14,196	0	2,719,645